

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 25]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed Sponsored R & D
 - Reference to Prior Art made by Citation, a table, or a separate program listing, a appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C.113) [Total Sheets 7] I
- Oath or Declaration [Total Sheets 1] I
 - Newly executed (original or copy)
 - Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below, and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

- Continuation Divisional Continuation-in-part (CIP) of prior application No. 09/541,247
Prior application information: Examiner **Hwang** Art Unit: 2172
- For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label 25/81 or Correspondence address below

(Insert Customer No. or Attach bar code label here)

| | | | |
|---------|-----------|----------|--|
| Name | | | |
| Address | | | |
| City | State | Zip Code | |
| Country | Telephone | Fax | |

| | | | |
|-------------------|-----------------|-----------------------------------|--------|
| Name (Print/Type) | Kevin A. Oliver | Registration No. (Attorney/Agent) | 42,049 |
| Signature | | | |

This collection of Information is required by 37 C.F.R. 1.53(d). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form or suggestions for reducing this burden, along with any other general comments, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

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22389 U.S. PTO
10/16/2012



08/25/03



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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 375.00)

Complete if Known

| | |
|----------------------|------------------|
| Application Number | Not Yet Assigned |
| Filing Date | August 25, 2003 |
| First Named Inventor | Han |
| Examiner Name | Not Yet Assigned |
| Art Unit | Not Yet Assigned |
| Attorney Docket No. | ABK-001.02 |

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Other None Order

Deposit Account:

Deposit Account Number 06-1448, Ref. ABK-001.02

Deposit Account Name Foley Heag LLP

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below
- Credit any overpayments
- Charge any additional fee(s) during the pendency of this application
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------------|---------------|------------------------|------------------|
| Fee Code (\$) | Fee Code (\$) | | |
| 1001 750 | 2001 375 | Utility filing fee | 375 |
| 1002 330 | 2002 165 | Design filing fee | |
| 1003 520 | 2003 260 | Plant filing fee | |
| 1004 750 | 2004 375 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | (\\$) 375 |

2. EXTRA CLAIM FEES

| Total Claims | Independent Claims | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------|----------------|----------|
| 15 | -20 | = 0 | X 9 | = 0 |
| 1 | -3 | = 0 | X 42 | = 0 |

Multiple Dependent X = 0 = 0

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------------|---------------|---|----------------|
| Fee Code (\$) | Fee Code (\$) | | |
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 84 | 2201 42 | Independent claims in excess of 3 | |
| 1203 280 | 2203 140 | Multiple dependent claim, if not paid | |
| 1204 84 | 2204 42 | " Reissue independent claims over original patent | |
| 1205 16 | 2205 9 | " Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | (\\$) 0 |

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------|---------------|--|----------|
| Fee Code (\$) | Fee Code (\$) | | |
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 2,520 | 1812 2,520 | For filing a request for reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | Extension for reply within first month | |
| 1252 410 | 2252 205 | Extension for reply within second month | |
| 1253 930 | 2253 465 | Extension for reply within third month | |
| 1254 1,450 | 2254 725 | Extension for reply within fourth month | |
| 1255 1,970 | 2255 985 | Extension for reply within fifth month | |
| 1401 320 | 2401 160 | Notice of Appeal | |
| 1402 320 | 2402 160 | Filing a brief in support of an appeal | |
| 1403 280 | 2403 140 | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revoke - unavoidable | |
| 1453 1,300 | 2453 650 | Petition to revoke - unintentional | |
| 1501 1,300 | 2501 650 | Utility issue fee (or reissue) | |
| 1502 470 | 2502 235 | Design issue fee | |
| 1503 630 | 2503 315 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17 (q) | |
| 1808 180 | 1808 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 750 | 2809 375 | Filing a submission after final rejection (37 CFR § 1.129(e)) | |
| 1810 750 | 2810 375 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 750 | 2801 375 | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee:

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 0)

SUBMITTED BY

Complete if applicable

| | | | | | |
|-------------------|-----------------|---------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Kevin A. Oliver | Registration No./Attorney/Agent | 42,049 | Telephone | (617) 332-1000 |
| Signature | | | | | |

Warning: Information on this form is mandatory under law. Certain information should not be included on this form. Such information includes social security numbers, financial institution account numbers, and other sensitive personal information. If you believe your information has been compromised, please contact the U.S. Patent and Trademark Office at 1-800-786-6191 or 1-800-786-6198.

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Certificate of Express Mailing under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to:

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Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450**

**Express Mail No: EV327714967US
on August 25, 2003.**

Date



Signature

Kristen Willett

Typed or printed name of person signing Certificate

World Trade Center West
155 Seaport Blvd.
Boston, MA 02210

Attorney Docket No: **ABK-001.02**

Submission Consisting of: **Utility Application Transmittal (1 pg.); Fee Transmittal (1 pg.); Application Data Sheet (2 pgs.); Copy of executed Declaration and Power of Attorney for Patent Application (2 pgs.); Utility Patent Application consisting of Specification (25 pgs.) and Drawings (7 sheets); and a return receipt postcard.**

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.